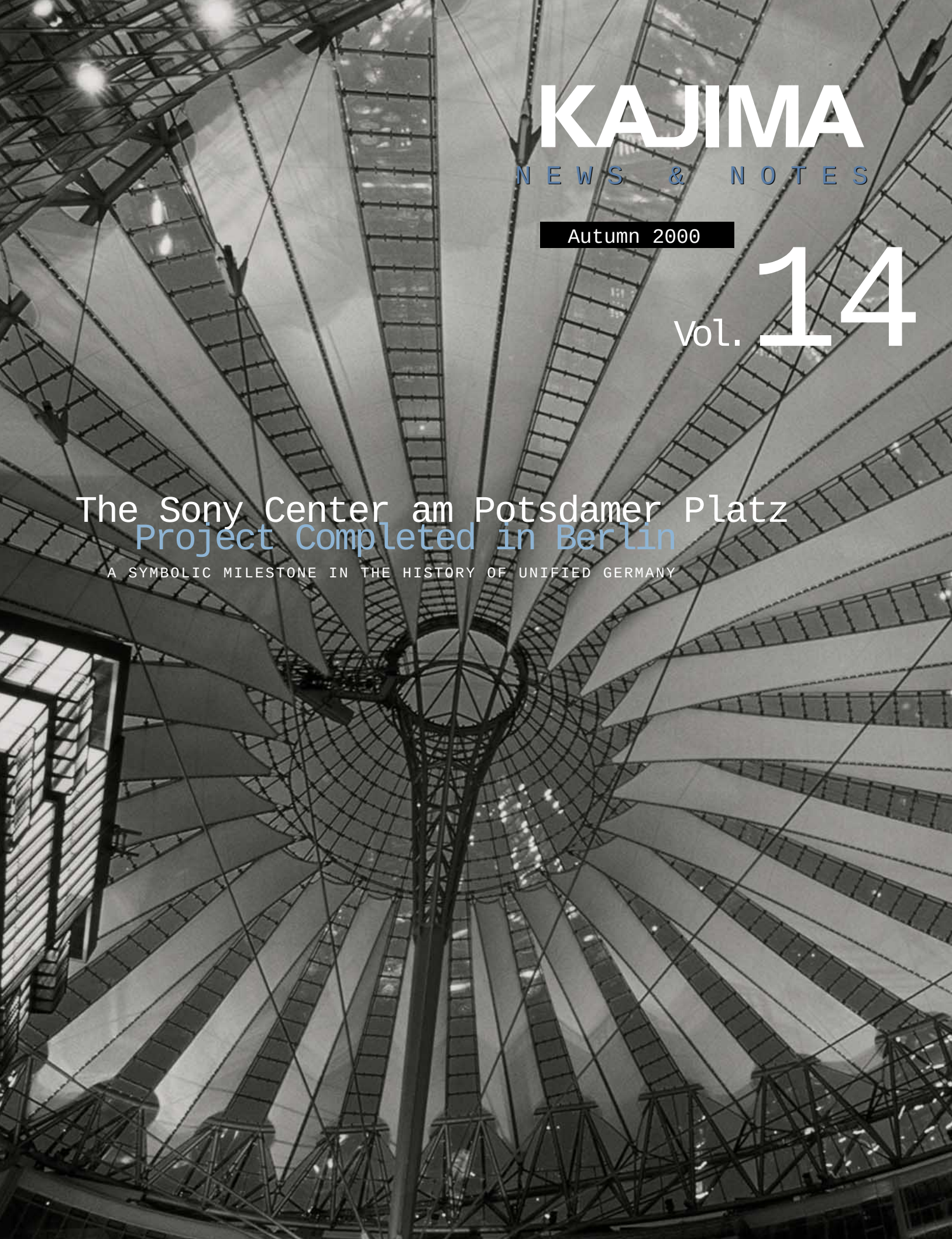

KAJIMA

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Project Completed in Berlin

A SYMBOLIC MILESTONE IN THE HISTORY OF UNIFIED GERMANY

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A SYMBOLIC MILESTONE IN THE HISTORY OF UNIFIED GERMANY

June 14 marked a symbolic milestone in the history of unified Germany, when 4,500 people gathered to celebrate the opening of the Sony Center am Potsdamer Platz, in Berlin. The crowd was joined by such German dignitaries as the Minister of the Interior and the Mayor of Berlin.

The large-scale mixed-use project—owned by Sony, Tishman Speyer Properties, a leading New York-based developer, and Kajima Europe—has created 160,000m^2 of floor space for a unique mix of offices, commercial and entertainment facilities, and housing units. Its triangular site, approximately 26,500m^2, is located about 800 meters south of Brandenburg Gate, on the threshold between East and West Berlin. Situated in an area of established cultural significance, Potsdamer Platz was chosen as the ideal location for this project, which will contribute to a new era of German history and culture. Designed by

U.S. architect Helmut Jahn, it has been widely praised by the press for its futuristic ambiance.

Berlin presented an unusual challenge: to establish the feeling of a new capital in an already developed country with a long history. Kajima was invited by Sony to participate in the development of the project at the initial stage. Taking advantage of its in-depth local knowledge and experience gained from working on such projects as the Messe Turm development in Frankfurt, as well as many design and/or construction projects in Berlin itself, including the International Trade Center, the Grand Hotel, and the Japan Culture Center (the old Japanese Embassy), Kajima has contributed to setting up the international joint venture to realize Sony's vision and quality and provided the additional construction consultancy services and interior works that Sony required.

Sony relocated its European Headquarters from Cologne to Potsdamer Platz and has been based in the Center since last October. Other companies also leasing office space include Bundesbahn, Germany's principal railroad company, and Sanofy, the leading French chemicals and cosmetics company. The share of leased space has surpassed 94% even before the full-scale opening of the relevant buildings. Moreover, office space rent is the highest in Berlin, indicating the Center's status as a prime business location.

Designed to showcase Sony's technological prowess, the highly praised entertainment space is characterized by cutting-edge audiovisual media and deluxe facilities, and the Center continues to attract considerably more visitors than similar facilities nearby.

In light of these factors, the project has come to be considered one of the most successful developments in Berlin and a premier example of mixed-use development in Europe. This success is due to two principal reasons: first, no efforts were spared in promoting harmonious teamwork among participants from different industries and countries, and second, rigorous high quality standards were maintained throughout the project by all team members.

Prospective customers have been particularly impressed by the outstanding quality of the development and its distinctive style, which are unprecedented in Berlin, yet remain highly appropriate for Germany's new capital.

Overview of the Sony Center am Potsdamer Platz Project

Location:	Potsdam Square, Berlin	
Structures:	Buildings containing offices, commercial and entertainment facilities, and housing units	
Site area:	26,500m^2	
Building floor space:	Sony European Head Office Building	24,330m^2
	Other office space	76,438m^2
	Housing	26,563m^2
	Shops and restaurants	11,976m^2
	Entertainment space*	12,292m^2
	Total	151,599m^2
Parking facility:	980 vehicles	

* Including IMAX, 8 cinemas, and Music Box

Elevations

Japan's Largest Mosque Completed in Tokyo

Kajima recently completed the construction of the Tokyo Mosque and Cultural Center (also known as the Tokyo Mosque) in Tokyo's Shibuya district. Modeled after the 16th century Turkish mosques designed by architect Mimar Sinan, the Tokyo Mosque was built using modern construction techniques. The basic design was created by Hilmi Senalp, who is considered Turkey's top authority with regard to mosque construction. Kajima Design acted as local architect while Kajima was responsible for constructing the mosque structure and installing necessary equipment and effectively acted as construction manager. The Turkish government's religion agency handled the placement of interior and exterior facings and furnishings.

The Turkish government provided comprehensive support for the construction work and covered most of the ¥1.2 billion construction cost, although the overall project cost is estimated to have been considerably more than ¥3.0 billion. The new mosque is on the site of another mosque that was built in 1938, but which had fallen into disrepair and been demolished in 1986. Construction work on the new mosque began in March 1998.

Occupying a 734.2m^2 site, the Tokyo Mosque is an RC structure with one basement floor and three above-ground floors with a total floor area of 1,476.75m^2. The mosque's distinctive dome is 23.25m tall, while the adjacent minaret is 41.48m tall. It is the first mosque of its size to be built in Japan.

The main dome is supported by six pillars, two of which are concrete-filled steel tubes that represent a synthesis of Osman Turkish mosque design and modern technology. The dome was constructed using the truss wall method, which involved the installation of a truss framework of metal laths and the placement of concrete atop that framework. The 16-sided minaret was constructed through the placement of a cylindrical internal mold and external molds in 3m stages.

To ensure conformance with Japanese building codes, Kajima handled the main construction work while Turkish craftsmen were responsible for the interior and exterior facings and furnishings that have religious significance. Approximately 70 Turkish craftsmen were dispatched to perform the finishing details, which entailed the use of a considerable quantity of marble imported from Turkey.

Kajima around the World

From Japan

Completion of Kyushu-Okinawa Summit 2000 Facilities

Having become responsible for the design and construction of the Press Conference and Working Center & Cafeteria for Kyushu-Okinawa Summit 2000, Kajima worked at a feverish pace to ensure that the facilities would be ready for the use of reporters and other media representatives from around the world during the summit meeting, which was held from July 21 to July 23, 2000. Built on the grounds of the Nago Municipal Citizens' Center, the press conference and working center was used by reporters as their base during the summit meeting and also served as the site for press conferences held by the G-8 countries and the EU. In addition, Kajima designed and constructed the adjacent cafeteria. Both buildings were intended to be representative of Japanese culture, particularly Okinawan culture. Wood materials were conspicuously used, and a sophisticated visual image was created through the placement of wood panels in visually penetrable configurations. As both buildings were conceived from the start as being temporary structures, they were designed to facilitate the recovery and reuse of construction materials. Plans call for the materials to be used to build benches, decks, and other amenities in parks.

Hayama Marine Science Laboratory Accepts Foreign Marine Technologists for Training

In cooperation with the Japan International Cooperation Agency (JICA), regarding the agency's efforts to provide job training for people from developing countries, Kajima annually accepts trainees at its Hayama Marine Science Laboratory. Five trainees employed at marine environment-related agencies and research institutes in Latin America and Southeast Asia participated in the Company's fifth such training program, which began July 10, 2000, and lasted three weeks.

The Hayama Marine Science Laboratory conducts a wide range of surveys on and research into the relationship between construction industry activities and marine organisms and ecosystems. With considerable technological expertise regarding the breeding of marine organisms

and the construction of related facilities, the laboratory is endeavoring to promote the protection and reformation of marine regions as well as the construction of aquariums and fishery facilities.

Expand Geo-Environment Restoration Business

Since signing the Memorandum of Understanding with Jacobs Engineering Group Inc. in August 1998, Kajima has been exchanging technologies, particularly those related to pharmaceutical and food production. Now that the Geo-Environment Restoration business is becoming one of growth in Japan, Kajima hopes that its business tie-up with Jacobs will help to enhance their environment technologies, too.

Jacobs has gained experience dealing with soil that is contaminated with such materials as oil products and chemicals, mainly at U.S. military bases, by utilizing their know-how as well as special technologies, which are unfamiliar in Japan. Kajima believes that those environment technologies would also be useful in Japan for soil remediation that was previously handled through such drastic measures as replacement.

Through the tie-up with Jacobs, Kajima's Geo-Environment Restoration business will become stronger, holding seminars led by technical experts from Jacobs and dispatching engineers to their offices to share technologies.

In the fiscal year ended March 31, 2000, Kajima sold more than ¥8 billion in this market, while only ¥4 billion was expected. Now, Kajima is aiming to boost this amount to ¥20 billion by 2005.

From the Netherlands

Participation in the "Towards Totalscape" Exhibition at the Netherlands Architecture Institute (Nai)

Models of two structures designed and constructed by Kajima—Seibu Dome and LaLaport Ski Dome "SSAWS"—will appear in the "Towards Totalscape" Exhibition, scheduled to be held at the Netherlands Architecture Institute from October 20, 2000, through January 15, 2001. This exhibition will be the Netherlands' first exhibition on contemporary Japanese architecture, urban design, and landscaping. It is one of a number of diverse events organized as part of "Japanorama 2000," which commemorates 400 years of friendly relations between the Netherlands and Japan. The exhibition will present models, panels, videos, and other materials that spotlight approximately 90 construction and urban design

projects recently implemented in Japan. The projects are placed into each of the five landscape categories—metropolitan, urban, rural, natural, and artificial. The Netherlands Architecture Institute is one of the world's best-known architecture museums. The museum constantly organizes exhibitions on architectural themes and had given prominent positions to three Kajima projects in another exhibition, "The Stadium," held from June 8 through September 24, 2000.

From the United States

Success in the U.S. Telecommunications Market

When Kajima began its U.S. operations in 1961, its goal was to provide design-build services for Japanese clients. Since then, Kajima International Inc. (KII), through Kajima Construction Services, Inc., and Kajima Associates, Inc., groups, has grown to become a predominant U.S. contractor and designer. Today, KII is returning the favor to the parent company that gave it its start by bringing Kajima Corporation U.S. clients looking to expand into Japan and Asia. This opportunity has arisen from the rapidly expanding U.S. telecommunications industry, which has been fueled by the proliferation of e-businesses.

For many years, KII has successfully worked with such telecommunications clients as AT&T Corp. and Lucent Technologies Inc. in building distribution centers, manufacturing plants, and office interiors. In the past two years though, our attention has been turned to the telecommunications facilities that make up the infrastructure of the voice/Internet/data network, which is growing by leaps and bounds in the U.S. KII has been at the forefront of this new industry, performing tenant improvement design and construction services for facilities that are popping up all across the country. Terms such as cybercenters, point of presence (POP) sites, switch stations, and Internet service provider (ISP) Co-location sites have worked their way into the everyday vocabulary of Kajima employees.

In a relatively short time, KII has gained expertise in this field and now counts a host of telecommunications companies—both new and old—as its clients. Some of the new clients who have played an integral role in our success include Qwest Communications International Inc., Level (3) Communications, Inc., Enron Corp., and Global Center. These companies exist in a highly competitive industry where facilities must be up and running at breakneck speeds. KII has met these stringent demands—having completed or currently working on no less than 50 telecommunications projects in the past year alone.

With the Internet/data revolution still only in its infancy, there seems to be no immediate end in sight to the influx of this new work. In fact, this new century will probably see the telecommunications infrastructure increase in size many times over. It is an opportunity that the entire family of Kajima companies will be able to benefit from.

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